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1 Data base directions: the next steps

John L. Berg

November 1976 **ACM SIGMOD Record , ACM SIGMIS Database**, Volume 8 , 8 Issue 4 , 2**Publisher:** ACM PressFull text available: [pdf\(9.95 MB\)](#)Additional Information: [full citation](#), [abstract](#)

What information about data base technology does a manager need to make prudent decisions about using this ? National Bureau of Standards and the Association for Computing Machinery established a workshop of approxima subject areas were auditing, evolving technology, government regulations, standards, and user experience. Each proceedings. The proceedings p ...

Keywords: DBMS, auditing, cost/benefit analysis, data base, data base management, government regulation, n technology assessment, user experience

2 Reliability Issues in Computing System Design

B. Randell, P. Lee, P. C. Treleaven

June 1978 **ACM Computing Surveys (CSUR)**, Volume 10 Issue 2**Publisher:** ACM PressFull text available: [pdf\(3.95 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**3 Recovery Techniques for Database Systems**

Joost S. M. Verhofstad

June 1978 **ACM Computing Surveys (CSUR)**, Volume 10 Issue 2**Publisher:** ACM PressFull text available: [pdf\(2.32 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**4 Highly available systems for database applications**

Won Kim

March 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 1**Publisher:** ACM PressFull text available: [pdf\(2.43 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [inde](#)



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- 181 Ultra low-cost defect protection for microprocessor pipelines**

Smitha Shyam, Kypros Constantinides, Sujay Phadke, Valeria Bertacco, Todd Austin
October 2006

ACM SIGPLAN Notices , ACM SIGOPS Operating Systems Review , ACM SIGARCH Compt international conference on Architectural support for programming languages and oper

11 , 5 , 5

Publisher: ACM Press

Full text available: [pdf\(364.21 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The sustained push toward smaller and smaller technology sizes has reached a point where device reliability has generation designs. Silicon failure mechanisms, such as transistor wearout and manufacturing defects, are a gro lifetime of future systems. In this paper we introduce the *BulletProof* pipeline, the first ultra low-cost mechanism memory sy ...

Keywords: defect-protection, low-cost, pipelines, reliability

- 182 Columns: Risks to the public in computers and related systems**

Peter G. Neumann
May 2000 **ACM SIGSOFT Software Engineering Notes**, Volume 25 Issue 3

Publisher: ACM Press

Full text available: [pdf\(1.11 MB\)](#) Additional Information: [full citation](#)

- 183 Distributed match-making for processes in computer networks**

Sape J Mullender, Paul M B Vitanyi
April 1986 **ACM SIGOPS Operating Systems Review**, Volume 20 Issue 2

Publisher: ACM Press

Full text available: [pdf\(846.23 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In the very large multiprocessor systems and, on a grander scale, computer networks now emerging, processes taken from a pool of processors. Processors are released when a process dies, migrates or when the process cra: service concept, processes can be clients asking for a service, servers giving a service or both. Establishing comi a process ...

- 184 Lightweight recoverable virtual memory**

M. Satyanarayanan, Henry H. Mashburn, Puneet Kumar, David C. Steere, James J. Kistler

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#4	((primary<in>metadata) <and> (process<in>metadata))<and> (pair<in>metadata)	66
#5	((audit trail<in>metadata) <and> (checkpoint<in>metadata))<and> (backup<in>metadata)	0

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